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LPS LABORATORIES, INC.

MATERIAL SAFETY DATA SHEET

Section 1 • Product Identification and Use

Manufacturer's Name: LPS Laboratories, Inc.

Address (Number Street) 4647 Hugh Howell Road

Address (City, State, Zip) Tucker, GA 30085-5052

Telephone Number: 404-934-7800 **Emergency Telephone Number:** 1-800-424-9300 Chemirec Outside U.S. (202) 887-1255

Trade Name: LPS 1 Greaseless Lubricant

Chemical Family: Petroleum Hydrocarbons

Part Numbers: 00017, 00116, 01128, 00105, 00155

Hazardous Materials Description and proper shipping name (49 CFR 172.101): Compound, Boiler, Preserving Liquid NMFC 50093 SUB 2 BRL/BXS CL55 CONSUMER COMMODITY ORM-D

TSCA Inventory:

All of the ingredients are listed on the TSCA inventory.

HMIS Labeling:

LPS | GREaseless Lubricant

Health: 1 2

Flammability:

Reactivity:

0

Section 2 ·	Hazardous Ing	redient	s / Identity Inf	ormation		
, Ingredients	CAS Numbers	%WW	OSHA PEL	ACGIH TLV	OTHE	-
Aliphatic Hydrocarbon Aliphatic Petroleum Naptha Non-hazardous Proprietary Blend Carbon dioxide propellant (aerosol only)	64742-96-7 64742-30-9 124-38-9	70-80 20-30 3-5 2-3	500 ppm 5mg/m ^{3*} N.E. 10,000 ppm	N.E. 5mg/m ³⁺ N.E. 5,000 ppr	None	m ³ * STEL) opm
	0	Oil mist			0101	85
Section	3 • Physical /	Chemic	al Characteris	stics	9901991495949992005004900-05-05-05-05-05-05-05-05-05-05-05-05-0	Ware for the second
Bolling point: (F'): 350'i Vapor pressure (mmHg) @100'F : 2 Vapor density (Alr = 1) 4.7 Solubility in water: Ni	2 7 Evapo	Percent	pecific gravity (F volatile by volu te (n-Butyl Acet	me (%):	0.80 95 .07	
Appearance and odor: Clear, thin liquid						
Sec	tion 4 • Fire ar	nd Explo	sion Hazard	an a	854774-072-0-3854	
Flash point (method used): 175°F SETA	Flash	Flamm	able limits (of di	•	_EL UEL 1% 6%	~ <u>~~~~~~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Extinguishing media: Foam, dry chemic	al, carbon dioxide.					

al fire fighting procedures: Do not use water. Treat as combustible petroleum distillates. Unusual fire and explosive hazards: Intensive heat created by fire will cause aerosols to burst.

> N.E. = Not established N.A. = Not applicable

		Section 5	Health Hazard Data	
	d antime labolation a		na na sana na	
Primary route(s)	of entry: Inhalation, e	yas		
	lects of over exposure	9:		
inhalation:		ess, nausea and	d anesthetic effects.	
Eyes:	Imitation.			
Skin:	Repeated or prolo	nged contact m	nay cause drying of skin.	to de a servició a contente de la
ingestion:	Not a likely route of	of exposure. Lo	ow order of oral toxicity; however m	nnute amount aspirated into lungs
.	during Ingestion m	ay cause seve	re pulmonary injury.	
Medical conditio	ns aggravated by exp	osure: None f	rom normal exposure.	
Chemicals listed	as potential carcinog	en: NTP:	No IARC: No OSHA: No)
Emergency and (first aid procedures:			
Inhalation:	Move to fresh air.	Contact physic	sian.	
Eyes:	Flush eves with pl	enty of water ar	nd contact physician.	
•	110 should be an a	nd water: apply	medicated skin cream.	
8- 1- 1 0 0 0	woen wiin snan ai			
Skin:	Wash with soap at	hydrocarbons :	and patroleum oil. Do not induce v	omiting. Contact physician
Skin: Ingestion:	Contains aliphatic	hydrocarbons a	and petroleum oil. Do not induce v	omiting. Contact physician
	Wash with soap an Contains aliphatic immediately.	hydrocarbons a	and petroleum oil. Do not induce v	omiting. Contact physician
	Contains aliphatic	hydrocarbons a	6 • Reactivity Data	omiting. Contact physician
Ingestion:	Contains aliphatic immediately.	hydrocarbons a	6 • Reactivity Data Avoid sparks or open flames.	
Ingestion: Stability: Stable	Contains aliphatic immediately. Conditi	hydrocarbons a Section ons to avoid:	6 • Reactivity Data Avoid sparks or open flames. S precautions.	
Ingestion: Stability: Stable ncompatibility (k	Contains aliphatic immediately. Conditi faterials to avoid):	hydrocarbons a Section ons to avoid: Strong oxidizi	6 • Reactivity Data Avoid sparks or open flames. S precautions. ng agents.	See handling and storage
Ingestion: Stability: Stable ncompatibility (M	Contains aliphatic immediately. Conditi Materials to avoid): nposition products:	hydrocarbons a Section ons to avoid: Strong oxidizi Thermal deco	 and petroleum oil. Do not induce v 6 • Reactivity Data Avoid sparks or open flames. Sprecautions. ng agents. prosition may yield carbon monoximal 	See handling and storage
Ingestion: Stability: Stable	Contains aliphatic immediately. Conditi Materials to avoid): nposition products:	hydrocarbons a Section ons to avoid: Strong oxidizi	 and petroleum oil. Do not induce v 6 • Reactivity Data Avoid sparks or open flames. Sprecautions. ng agents. prosition may yield carbon monoximal 	See handling and storage

urces. Remove leaking container and transfer remaining product to another vessel. Prevent product from going into wers and water sources by diking or impounding. Using appropriate safety equipment, mop up or soak up with absorbent material, such as sand or clay.

Waste disposal methods: Dispose of in accordance with local, state and federal regulations for petroleum distillates. RCRA Hazardous Waste No.: N.A.

CERCLA Reportable Quantity: None

SARA TITLE III Chemicals: None

Precautions to be taken in handling and storage: Store aerosols below 120°F and above 32°F. Store bulk below 150°F and above 32°F. Store away from ignition sources and avoid breathing vapors.

Section 8 · Control Measures

Respiratory Protection: None required if good ventilation is maintained. For enclosed areas, use NIOSH approved organic vapor cartridge respirator or self-contained breathing apparatus.

Ventilation: Local exhaust is usually adequate. However, mechanical ventilation should be used when spraying in enclosed areas. Vapor concentration should be minimized as much as possible.

Protective gloves: Use solvent resistant gloves for liquid handling.

Eye protection: For spraying or splashing of solvent, use face shield or goggles.

Other protective equipment: None.

Work/hyglenic practices: Wash hands with soap and water after use and/or before breaks, lunch and at the end of work periods. Remove contaminated clothing and launder before reuse.

June 14, 1991 n Roudebush, Director of Research and Development C. S Laboratories, Inc.

Form # 2500 **IPS 1** Greaseless Lubricant





LPS LABORATORIES, INC.

MATERIAL SAFETY DATA SHEET

Section 1 • Product Identification and Use

Manufacturer's Name: LPS Laboratories, Inc.

Address (Number Street) 4647 Hugh Howell Road Chemical Family: Petroleum Hydrocarbons

LPS 1 Greaseless Lubricant

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TSCA Inventory: All of the ingredients are listed on the TSCA inventory.	HMIS Labeling:	Health: Flammability: Reactivity:	1 2 0	

Section 2 · Hazardous Ingredients / Identity Information					
) Ingredlents	CAS Numbers	%WW	OSHA PEL	ACGIH TLV	OTHER LIMITS
Aliphatic Hydrocarbon Aliphatic Petroleum Naptha Non-hazardous Proprietary Blend	64742-96 -7 64742-30- 9	70-80 20-30 3-5	500 ppm 5mg/m ³ * N.E.	N.E. 5mg/m ³ * N.E.	None 10 mg/m ^{3*} STEL None
Carbon dioxide propellant (aerosol only)	124-38-9	2-3	10,000 ppm	5,000 ppm	30,000 ppm STEL
	•	• Oil mist			

Section 3 • Physical / Chemical Characteristics

Boiling point: (F'): Vapor pressure (mmHg) @ Vapor density (Air = 1) Solubility in water:	4.7 Nil	Specific gravity (H ₂ 0 = 1): Percent volatile by volume (%): Evaporation rate (n-Butyl Acetate = 1):	0.80 95 .07	
Appearance and odor: Cle	ear, thin liquid with sw	eet odor.		

Section 4 • Fire and Explosion Hazard

Flash point (method used): 175°F SETA Flash

Flammable limits (of diluent):

UEL 6%

LEL

1%

Extinguishing media: Foam, dry chemical, carbon dioxide.

al fire fighting procedures: Do not use water. Treat as combustible petroleum distillates. Unusual fire and explosive hazards: Intensive heat created by fire will cause aerosols to burst.

N.E. = Not established N.A. = Not applicable

	Section 5 · Health Hazard Data
	of entry: Inhalation, eyes
Health hazard/effe	ets of over exposure:
Inhalation:	Headache, dizziness, nausea and anesthetic effects.
Eyes:	Irritation.
Skin:	Repeated or prolonged contact may cause drying of skin.
Ingestion:	Not a likely route of exposure. Low order of oral toxicity; however minute amount aspirated into lungs during ingestion may cause severe pulmonary injury.
Medical condition	s aggravated by exposure: None from normal exposure.
	is potential carcinogen: NTP: No IARC: No OSHA: No
	rst ald procedures:
Inhalation:	Move to fresh air. Contact physician.
Eyes:	Flush eyes with plenty of water and contact physician.
Skin:	Wash with soap and water; apply medicated skin cream.
Ingestion:	Contains aliphatic hydrocarbons and petroleum oil. Do not induce vomiting. Contact physician
แห็นอยุกุณ	immediately.
	Section 6 • Reactivity Data
Stability: Stable	Conditions to avoid: Avoid sparks or open flames. See handling and storage precautions.
incompatibility (Ma	
	position products: Thermal decomposition may yield carbon monoxide.
n-n-en ormalean antain an	Section 7 • Precautions for Safe Handling and Use
virces. Remove le wers and water so naterial, such as sa Waste disposal me RCRA Hazardous V CERCLA Reportable SARA TITLE III Che Precautions to be t	thods: Dispose of in accordance with local, state and federal regulations for petroleum distillates. Vaste No.: N.A. le Quantity: None
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Eye protection: For spraying or splashing of solvent, use face shield or goggles.

Other protective equipment: None.

Work/hygienic practices: Wash hands with soap and water after use and/or before breaks, lunch and at the end of work periods. Remove contaminated clothing and launder before reuse.

June 14, 1991 n Roudebush, Director of Research and Development S Laboratories, Inc.

Form # 2500 LPS 1 Greaseless Lubricant



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